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## GENERAL INDUSTRY CRANE INSPECTION

### WELCOME!

This sample program is provided to assist you as an employer in developing programs tailored to your own operation. We encourage you to copy, expand, modify and customize this sample as necessary to accomplish this goal.

This document is provided as a compliance aid, but does not constitute a legal interpretation of OSHA Standards, nor does it replace the need to be familiar with, and follow, the actual OSHA Standards (including any North Carolina specific changes.) Though this document is intended to be consistent with OSHA Standards, if an area is considered by the reader to be inconsistent, the OSHA standard should be followed. Of course, we welcome your comments and feedback!

The North Carolina Department of Labor OSH Consultative Services Bureau can be contacted for further assistance such as helping you set up your individual program and even with on-site surveys. Feel free to contact us at 1-800-NCLABOR or at 919-807-2899. You may also want to visit our website at <http://www.nclabor.com/osa/consult/bcs1.htm>

Remember: A written safety/health program is only effective if it is put into place!

**GENERAL INDUSTRY 1910.180**  
**CRAWLER LOCOMOTIVE & TRUCK CRANE INSPECTION**

Inspection Date: \_\_\_\_\_ Crane Manufacturer: \_\_\_\_\_

Inspector Signature \_\_\_\_\_ Crane Serial No: \_\_\_\_\_

Any deficiency shall be carefully examined and determination made as to whether they constitute a safety hazard.

In addition to the inspection items listed all cranes must be inspected as specifically recommended by the manufacturer.

**Frequent inspection:** Daily to monthly depending upon usage.

**Yes No**

- \_\_\_ \_\_\_ Inspect all control mechanisms for maladjustment interfering with proper operation. Daily.
- \_\_\_ \_\_\_ All control mechanisms for excessive wear of components and contamination by lubricants or other foreign matter.
- \_\_\_ \_\_\_ All safety devices for malfunction.
- \_\_\_ \_\_\_ Deterioration or leakage in air or hydraulic systems, daily.
- \_\_\_ \_\_\_ Crane hooks for deformations or cracks.
- \_\_\_ \_\_\_ Rope reeving for non compliance with manufacturer recommendations?
- \_\_\_ \_\_\_ Electrical apparatus for malfunction, signs of excessive deterioration, dirt and moisture accumulation.

**Periodic inspections:** 1-12 month intervals depending on usage or as recommended by the manufacturer.

**Yes No**

- \_\_\_ \_\_\_ Deformed, cracked or corroded members in the crane structure and boom.
- \_\_\_ \_\_\_ Loose bolts or rivets.
- \_\_\_ \_\_\_ Cracked or worn sheaves and drums.
- \_\_\_ \_\_\_ Worn, cracked or distorted parts such as pins, bearings, shafts, gears, rollers and locking devices.
- \_\_\_ \_\_\_ Excessive wear on brake and clutch parts, linings, pawls and ratchets.
- \_\_\_ \_\_\_ Load boom angle and other indicators over their full range, for any significant inaccuracies.
- \_\_\_ \_\_\_ Gasoline, diesel, electric or other power plants for improper performance or non compliance with safety requirements.
- \_\_\_ \_\_\_ Excessive wear of chain drive sprockets and excessive chain stretch.
- \_\_\_ \_\_\_ Travel steering, braking or locking devices for malfunction.
- \_\_\_ \_\_\_ Excessively worn or damaged tires.
- \_\_\_ \_\_\_ After adjustments and repairs have been made, the crane shall not be operated until all guards have been reinstalled, safety devices reactivated and maintenance equipment removed.
- \_\_\_ \_\_\_ Rope inspection: Running ropes-thorough inspections of all ropes shall be made at least monthly by an authorized person. Look for reduction of rope diameter, internal or external corrosion, cracked, bent, worn or improperly spliced end connections, severe kinking, crushing, cutting or unstranding.
- \_\_\_ \_\_\_ The crane is level and blocks properly in use.
- \_\_\_ \_\_\_ Fire extinguisher in cab or near vicinity.
- \_\_\_ \_\_\_ Only designated personnel permitted to operate crane.

Refer to 29 CFR 1910.180

Comments:

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